

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(transducer and actuator and coil and magnet and seal and driver).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:06
L2	15	(transducer and actuator and coil and magnet and seal).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:07
L3	3	(transducer and coil and magnet and seal and driver).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:09
L4	4	(actuator and coil and magnet and seal and driver).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:10
L5	431	600/25	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:11
L6	310	(600/25).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/18 10:11
L7	1286	(181/128-137).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/18 10:11
L8	2407	(381/312-331).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/18 10:12
L9	3737	6 7 8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:12
L10	598402	"2006".py.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:12
L11	272	9 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/18 10:12
S1	13723	hearing and aid	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 10:05
S2	90957	ball and socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:29

## EAST Search History

S3	307	S1 and S2	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:30
S4	2002942	rotation or rotatable or rotating	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:46
S5	3471	S1 and S4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:31
S6	657	implant\$4 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:31
S7	35	S3 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:31
S8	38	("4498461"   "4601723"   "4606329"   "4809694"   "5112336"   "5196013"   "5320628"   "5344422"   "5498226"   "5558618").PN. OR ("5788711"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 15:46
S9	287	(600/25).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/10 15:46
S10	156	(rotation or rotatable or rotating or ball or sphere) and S9	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 16:40
S11	1	("5702342").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/10 16:40
S12	27	("1879429"   "2721084"   "3882285"   "4281419"   "4498461"   "4606329"   "4729366"   "4774933"   "4776322"   "4840178"   "4904233"   "4957478"   "4969900"   "4988333"   "5263956").PN. OR ("5702342"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/10 16:45
S13	145	("4988333" "5217011" "5776144" " 5788711" "5941814" "6077215" "62 93903" "6398717" "6491622" "6517 476" "6537199" "6537201" "654771 5" "6620094" "6705985" "6707920"  "6712754" "6726618").PN"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 12:01
S14	145	("4988333" "5217011" "5776144" " 5788711" "5941814" "6077215" "62 93903" "6398717" "6491622" "6517 476" "6537199" "6537201" "654771 5" "6620094" "6705985" "6707920"  "6712754" "6726618").PN."	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 12:01

## EAST Search History

S15	18	("4988333" "5217011" "5776144" "5788711" "5941814" "6077215" "6293903" "6398717" "6491622" "6517476" "6537199" "6537201" "6547715" "6620094" "6705985" "6707920" "6712754" "6726618").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 12:06
S16	1	("6398717").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/28 12:18
S17	0	("hearingsameaid").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/29 15:21
S18	7552	hearing same aid	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:22
S19	288	(600/25).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/29 15:23
S20	1247	(181/128-137).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/29 15:23
S21	2126	(381/312-331).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/29 15:24
S22	8984	S18 S19 S20 S21	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:24
S23	2109	spring and S22	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:25
S24	116571	spring with (retention or lock)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:25
S25	101	S23 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:28
S26	78	spring and S19	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:28
S27	241	(623/10).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/30 10:51
S28	1	("4809694").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 10:51
S29	72	("3055370"   "3115140").PN. OR ("4809694").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:15
S30	2047	(606/61).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/30 11:42
S31	2	(("4988333") or ("5085628")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 11:42

## EAST Search History

S32	400	600/25	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:43
S33	134219	magnet and coil	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:43
S34	154	S32 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:43
S35	1	("5702342").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 11:51
S36	0	("07and11").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 11:51
S37	0	S33 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:51
S38	3	(("6491622") or ("6113531") or ("6390970")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:54
S39	134219	magnet and coil	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 12:54
S40	101409	magnet same coil	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 13:17
S41	3	S38 and S40	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 12:59
S42	1	("3870832").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:59
S43	3412	magnet same coil same seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 13:17
S44	288	(600/25).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/30 13:17
S45	0	("006and7").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/30 13:18
S46	11	S43 and S44	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 08:45

## EAST Search History

S47	18	(("6547715") or ("6537199") or ("6398717") or ("6077215") or ("5941814") or ("5788711") or ("5776144") or ("6537201") or ("6491622") or ("6705985") or ("6517476") or ("6620094") or ("6707920") or ("6293903") or ("4988333") or ("6726618") or ("6712754") or ("5217011")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 08:51
S48	14383	seal with (coil or magnet)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 08:51
S49	288	(600/25).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/01 08:51
S50	18	S47 and S49	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 08:53
S51	7	S48 and S49	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 09:05
S52	46	"5085628"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 09:05
S53	2	(("5085628") or ("6540661")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 09:08
S54	2	(("6537201") or ("6592512")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 09:38
S55	1	("20040147804").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 09:48
S56	1	"6537201"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 09:48
S57	1	seal and magnet and coil and S56	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 10:38
S58	1	("6592512").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 10:38
S59	1	magnet and coil and S58	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 10:41
S60	1	("6123660").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 10:48
S61	0	("magnetandcoil").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 10:49
S62	1	("6537201").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 10:49

## EAST Search History

S63	1	magnet and coil and S62	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/01 10:49
S64	3	(("5702342") or ("5456654") or ("6491622")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 14:08
S65	1	(("20040147804") or ("65307201")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 14:09
S66	2	(("20040147804") or ("6537201")). PN.	US-PGPUB; USPAT	OR	OFF	2005/10/01 14:09
S67	1	("6537201").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:43
S68	1	("20050228215").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 15:12
S69	1	("20040147804").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 15:12